



ICE

IACA9 Program – DAY 1



28 October 2025

IACA9 Program – DAY 1

Day 01 - 28 October 2025

Day 01 - 28 October 2025

09:00 am to 11:00 am		28-Oct (Virtual) Moderators: Prof. Dr. Khaled Ali Youssef, Eng. Mohammed Hussam & Eng. Fares A. Makhoulf	
		Bridging the energy modeling gap based on occupants' behavior in indoor spaces, a framework for investigation Mohamed Yousry Abo El-Shohood, Asmaa El-Sayed Hasan, Dina Sameh Taha	09:00 to 09:15
		Lighter, Cooler, Greener: Comparative Analysis of Autoclaved Aerated Concrete, Hempcrete, and Insulated Panels for Climate-Responsive Sustainable Construction Jasim Azhar	09:15 to 09:30
		The Impact of Using Sustainable Materials in Public Square Design on Mitigating the Effects of Rising Temperatures Amira Medhat Ibrahim Mahmoud Gouda, Zainab Mohamed Arafa Goda	09:30 to 09:45
		Assessment of Key Selection Criteria for Glazing Façade Systems Using Multi-Criteria Decision Making Aya Walid ELAshmawy, Laila Mohamed Khodeir, Amr Gouda, Fatma Fathy	09:45 to 10:00
		Promoting Environmental Design in Residential Buildings Marwa Ahmed Kamer Eldawla, Azza Sobhi Elsakka	10:00 to 10:15
		Discussion	
11:00 am to 12:00 pm Break			
12:00 pm to 02:00 pm		28-Oct (Virtual) Moderators: Prof. Dr. Salwa A. Megahed, Eng. Mohammed Hussam & Eng. Fares A. Makhoulf	
		Aligning Global Urban Planning Trends with Local Challenges: A Case Study of Port Said, Egypt Eman Ayman Farrag, Osama Mahmoud Ibrahim Abou El-Einen, Reem Mohamed Hussien Abd Elraouf, Heba Adel Ahmed	12:00 to 12:15
		AI-Driven Neuro-Urbanism for Sustainable Cities: A Human-Centered Framework for Urban Design Ahmed Hassan Eltawil, Esraa Mohamed Elazab	12:15 to 12:30
		Integrating Smart City Principles and Branding Strategies for Competitive Urban Identity Dr. Aliaa Elsaied KAMEL Elmallah	12:30 to 12:45
		Promoting Sustainability transportation through user surveys: A Case study New Sohag City Reem W. A. Ali, Aliaa M. M. Ahmed, Salwa A. M. Ahmed, Mahmoud M. Abdelkader	12:45 to 01:00
		نموذج منهجي تكاملي لتقييم نجاح استراتيجيات التحول الحضري الذكي في المدن المصرية: دمج أدوات النضج، المقارنة المعيارية، ومؤشرات الأداء نشوى جمال محمد، عصام الدين كمال محروس، عصام الدين محمد علي، سلوى عبد الرحمن مجاهد	01:00 to 01:15
Discussion		01:15 to 02:00	
02:00 pm to 03:00 pm Break			
4:00 pm to 5:00 Registration Eng. Abdul-Rahman Hassan, Eng. Fayrouz Hassan, Eng. Merna Hassan & Eng. Ahmed Wael			
05:00 pm to 07:00 pm	Opening Session (Jasmine Palace, Hurghada) Moderator: Dr. Waleed Abo El-Wafa		
05:00 pm to 05:15 pm	Speech of the President of Assiut University, Egypt Prof. Dr. Ahmed El-Menshawey		
05:15 pm to 05:25 pm	Speech of the General International Congress of Engineering (ICE) Superintendent & Vice-President for Graduate Studies and Research Prof. Dr. Gamal Abdelraouf Badr		
05:25 pm to 05:35 pm	Speech of the General International Congress of Engineering (ICE) Chairman Prof. Dr. Khaled Salah Said, Dean of the Faculty of Engineering		
05:35 pm to 05:45 pm	Speech of the General International Congress of Engineering (ICE) Co-Chairman Prof. Dr. Shehata Eldabie Abdel Raheem, Vice Dean for Graduate Studies and Research		
05:45 pm to 06:15 pm	Keynote Speech 01: New delta: Ambitions and challenges Professor Dr. Hossam al-Din Mohamad Murad Moghazy, Faculty of Engineering, Alexandria University and Former Minister of Water Resources and Irrigation.		
06:15 pm to 06:45 pm	Keynote Speech 02: Urban Futures and the Subjectification of Cities Professor Hisham Elkadi, University of Salford-Manchester		
06:45 pm to 07:00 pm	General Discussion		



IACA9 Program – DAY 2



29 October 2025

IACA9 Program – DAY 2

Day 02 - 29 October 2025

Day 02 - 29 October 2025

8:00 am to 9:00 am		Registration Eng. Abdul-Rahman Hassan, Eng. Fayrouz Hassan, Eng. Merna Hassan & Eng. Ahmed Wael		
09:00 am to 11:00 am	29-Oct (Physical): Soma 1, Mövenpick Waterpark Resort & Spa Soma Bay Moderator: Dr. Moataz Mohamed, Eng. Mahmoud Salah & Eng. Ibrahim M. Sayed		29-Oct (Virtual) Moderators: Prof. Dr. Wael H. Youssef, Eng. Fares A. Makhlof, Eng. Ahmed Wael	
	Keynote Speech 03: Sustainable Architecture - Concept to Completion Solaiman A. Elkhereiji, Elkhereiji Engineering Consultant Company, Saudi Arabia	9:00 to 9:30	Enhancing Flexibility and Resilience in Egyptian Healthcare Facilities: Stakeholder Perspectives and Case Study Analysis of Post-Pandemic Code Adaptations Sawsan Hussien Abd El Aleem Abass, Yasser Mohamed Mansour, Ahmed Atef El Desouky	09:00 to 09:15
	General Discussion	9:30 to 9:40	Towards Enhancing Resilience and Users Safety in Healthcare Facilities Design Sara Gamal Aboelkhair, Yasser Mansour, Ahmed Atef Faggal	09:15 to 09:30
	Bridging Aesthetics and BIM: A Systematic Review of Qualitative Architectural Features Representation and Future Prospects Mohammed Hossam, Rabee M. Reffat, Shawkat M. L. Elkady	9:40 to 9:55	Shaping the Future of Interior Design in Saudi Arabia: A Comprehensive Program Evaluation Dr. Samaher Fallatah	09:30 to 09:45
	Investigating the Role of Digital Twin Towards Managing Risk Associated with Green Retrofitting of Educational Buildings Eman Ayman Haykal, Ayman Ahmed Ezzat Othman	9:55 to 10:10	Evolution in Mosque Architecture: A Comparative Analysis Across Different Eras Adham Mokhtar Mostafa, Ayman Sayed Mahmoud	09:45 to 10:00
	Mutual influence of Digital manufacturing and Reverse engineering on Architectural production (case study: Alexandria oper a house) Mohamed Ahmed Sarhan, Zeyad Mohamed Elsayad, Amira Adel Mohamed	10:10 to 10:25	The Impact of Interactive Classroom Interior Design on Student's Perceived Well-being: A Case Study of Egyptian Language Schools, Nermin Ismail School (NIS), Cairo Yara Farrag, Rodina Mostafa, Tasneem Gamal, Dalia M. Rasmi	10:00 to 10:15
	From Nature to Building Skins: Critical Review of Biomimetic Building Skin Research Fayrouz Hassan, Khaled Ali Youssef, Salwa A. M. Ahmed	10:25 to 10:40	Discussion	10:15 to 11:00
	Discussion	10:40 to 11:00		
11:00 am to 12:00 pm Break				
12:00 pm to 02:00 pm	29-Oct (Physical): Soma 1, Mövenpick Waterpark Resort & Spa Soma Bay Moderator: Eng. Mohamed Elkhatib, Eng. Mahmoud Salah & Eng. Ibrahim M. Sayed		29-Oct (Virtual) Moderators: Dr. Hazem E. Elotefy, Eng. Mohammed Hussam & Eng. Fares A. Makhlof	
	Keynote Speech 04: Sustainable Projects Abdelmohsen M. Farahat, Former Professor, King Abdulaziz University, Saudi Arabia	12:00 to 12:30	From Stigma to Well-being: Psychosocial Urbanism as a Healing to Centered Interdisciplinary Model for Urban Space Design Ola K. Esmail	12:00 to 12:15
	General Discussion	12:30 to 12:40	Utilization Of Colors, Lighting, and Materials as a Narrative AI-Tool to Convey Human Emotions in Museums' Interior Spaces. A Case Study of The Museum of Islamic Art Cairo, Egypt. Nada Khalid, Dalia M. Rasmi, Hla Tamer, Rawan Medhat, Fagr Hesham	12:15 to 12:30
	Towards more interactive public spaces as an entry to happier, smarter cities Ahmed Salah Ibrahim	12:40 to 12:55	The Algorithmic Studio: A PRISMA-Guided Systematic Review for Integrating Artificial Intelligence in Interior Design Education Myar Mohamed Abdelbasir Sayed, Adham Mokhtar Mostafa Mohammed, Magdy Mohamed Radwan Hamed	12:30 to 12:45
	Urban Design Interventions to Add Visual Value for Public Spaces; The Case of Al-Ghazalatain Square, Alexandria, Egypt Rania Abdel Aziz Raslan, Heba Magdy Jahin	12:55 to 1:10	Designing for Healthcare Experience: Aligning the interrelationships between healing landscape guidelines with children needs in children hospitals Khloud Khalid ElDamshiry, Alyah Ahmed Fouad, Mohamed Esmat ElAttar	12:45 to 01:00
	Livability Assessment as an Approach for Planning New Egyptian Cities Ibrahim Mohamed Sayed Mohamed, Mohamed Abd El Samee Eid, Amr Sayed Hassan Abdallah	1:10 to 1:25	Computer Vision-Based Occupancy Detection Systems and Approaches: A Review Aya Shaheen, Yasser Mansour, Hanan Sabry, Fatma Fathy, Hussein Hamza	01:00 to 01:15
	Applying Students-Staff Contract as Teaching Methodology for Undergraduate Architectural Students Amr Mamdouh	1:25 to 1:40	Integrating Humanization Principles in the Adaptive Reuse of Heritage Buildings Rana Osama, Galal Abada, Doaa K. Hassan, Ayman Assem, Mohamed Ezzeldin	01:15 to 01:30
	Discussion	1:40 to 2:00	Discussion	01:30 to 02:00
02:00 pm to 03:00 pm Break				
03 :00pm to 05:30 pm	29-Oct (Physical): Soma 1, Mövenpick Waterpark Resort & Spa Soma Bay Moderator: Prof. Dr. Wael H. Youssef, Dr. Hazzem Ezz, Eng. Mahmoud Salah & Eng. Ibrahim M. Sayed		29-Oct (Virtual) Moderators: Dr. Mahmood Abdelkader, Eng. Mohammed Hussam & Eng. Fares A. Makhlof	
	Keynote Speech 05: Digital Twins and the Energy-Mobility-Environment Nexus: Building Smart, Resilient Infrastructure for a Sustainable Tomorrow Dr. Moataz Mohamed, McMaster University, Canada	3:00 to 3:30	Bio-Analogies: Pedagogical Metaphors in Teaching Landscape Construction Mohamed Said Abdou Mohamed	03:00 to 03:15
	General Discussion	3:30 to 3:40	Applying interactive virtual reality walkthrough in architectural learning (An approach of students' spatial sensibility assessment) Soha O. Kassem, Wessam H. Abbas, Tarek A. Farghaly	03:15 to 03:30
	A Novel Pedagogical Approach for Enhancing Skills of Architecture Students Using AI-Powered Software Tools Amr Mamdouh	3:40 to 3:55	AI-Aided Architectural Education: A Case Study on the Integration of AI Tools in the Design Process at Alexandria University Mariem El Sabbagh, Tarek Farghaly, Asmaa E. Hasan, Mervat Mikhail	03:30 to 03:45
	Enhancing Architecture Students' Spatial Cognition through Virtual Reality: A Case Study from the British University in Egypt Eman Ayman Haykal, Husam Bakr Khalil	3:55 to 4:10	A Strategy of Embedding a Universal Design Approach in Architectural Education in Egypt Hanaa Shaban Hassan, Mai Eid Khalil Ahmed	03:45 to 04:00
	Learning by Doing: A Pedagogical Approach for Shade and Shadow Principles in Visual Design Curricula Deena ElMahdy, Youmna Ahmady	4:10 to 4:25	Designing for Inclusion: Strategic Approaches for Students with Disabilities-Experiential Design in Higher Education Khloud Khalid ElDamshiry, Yara Salah-EIDin ElMetwally, Sara Magdy Oteifa	04:00 to 04:15
	Evaluating AI-Driven Scenarios for Contextual Development Proposal in Urban Dimensions Education Heba Jahin, Rania Raslan	4:25 to 4:40	Pedagogical Innovation in Architecture and Interior Design Education: Documenting Curriculum Adaptation and Its Perceived Impact- Interior Design Module- BUE FoE as a Case Study Khloud Khalid ElDamshiry, Rania Rushdy Moussa	04:15 to 04:30
	Discussion	4:40 to 5:30	Discussion	4:30 to 5:30



IACA9 Program – DAY 3

30 October 2025

IACA9 Program – DAY 3

Day 03 - 30 October 2025

Day 03 - 30 October 2025

8:00 am to 9:00 am		Registration Eng. Abdul-Rahman Hassan, Eng. Fayroz Hassan, Merna Hassan & Eng. Ahmed Wael			
09:00 am to 11:00 am	30-Oct (Physical): Soma 1, Mövenpick Waterpark Resort & Spa Soma Bay Moderator: Dr. Amr Mamdouh, Eng. Mahmoud Salah & Eng. Ibrahim M. Sayed		30-Oct (Virtual) Moderators: Dr. Mahmood Abdelkader, Eng. Mohammed Hussam & Eng. Fares A. Makhlof		
	Keynote Speech 06: الأحياء العمراني للقاهرة التاريخية - بين الرؤية والتطبيق Eng. Mohamed Elkhatib, Environmental Design Group EDG Consultants		Assessing the Impact of Future Climate Change on Residential Building Energy Performance, with a Focus on Cooling Loads in Hot Arid Regions Tarek Mohamed Kamel	09:00 to 09:15	
	General Discussion		Analytical Shape Grammar Framework to Extract Design Rules from Modern Facades for PV Integration Radwa Ezzat, Rabee Reffat, Wael Yousef	09:15 to 09:30	
	A Generative Design Approach to optimising Outpatient Department for Telemedicine Integration Sara Amged Shoukry, Nady Mostafa Abdel-Karim, Mahmoud Morad Saleh		Integrating Augmented Reality and Physicalization in Architectural Education: A Framework for Teaching Building Construction Alhassan Gamal, Mohamed Abdelwahab Mahmoud Alazazy, Eslam Nofal	09:30 to 09:45	
	Game-Based Learning in Architectural History: A Comparative Study Mahmoud Dahy, Adham Mokhtar, Mohamed Ayman Daef		ادخال التصميم العالمي في التعليم لهندسة العمارة في جامعة الموصل لمى عبدالوهاب الدباغ، سري محمد عادل الحيايلى	09:45 to 10:00	
	Towards Evaluating the Effectiveness of Shopping malls in Light of Universal Design Criteria (Aswan Plaza Mall as a Case Study) Eman Hesham Abdelmoteleb, Mai Eid Khalil		أوزان نسبية لمؤشرات مقترحة لتقييم جودة الصورة المرئية للشارع المصري رحاب عادل عبد الكريم جاد الله، خالد صلاح سعيد عبد المجيد، هبة عبد الرشيد سيد زيد	10:00 to 10:15	
	تقييم فاعلية تطبيق النظرية البنائية في تدريس مقرر التصميم الحضري (1) بكلية الهندسة فرع القنطرة شرق - جامعة سيناء رحاب عبد الفتاح عبد العزيز محمود		Exploring Space Architecture: Destination-Specific Solutions for Human Settlement Beyond Earth Mohammed ElAdl, Laila Khodeir, Samer El Sayary, Fatma Fathy	10:15 to 10:30	
	Discussion		Discussion	10:30 to 11:00	
11:00 am to 12:00 pm				Break	
12:00 pm to 02:00 pm	30-Oct (Physical): Soma 1, Mövenpick Waterpark Resort & Spa Soma Bay Moderator: Dr. Hazem E. Elotefy, Eng. Mahmoud Salah & Eng. Ibrahim M. Sayed		30-Oct (Virtual) Moderators: Dr. Amal I. Taha, Eng. Mohammed Hussam & Eng. Fares A. Makhlof		
	Zero Net and Positive Energy Building Research: Critical Review Tasneem Mostafa Sadik Ali Yosef, Khaled Ali Youssef, Ayman Sayed Mahmoud		استخلاص معايير أنسنة الطرق كأحد مداخل تحقيق استدامة المناطق الحضرية محمد ماهر حسن حسنى، محمد عبد السمیع عبد، أيمن سيد محمود	12:00 to 12:15	
	Detecting unplanned human settlement growth on agricultural land using a real-time open-source model. Assiut and Sohag Governorates as case studies Mahmood Abdelkader, Ahmed Mohamed Sayed, Salwa Abdel Rahman Megahed, Reem Wazz Amgad		مباني الخدمات المستدامة بمبادرة حياة كريمة دراسة حالة نموذج مبنى تنمية الأسرة والطفل محمد احمد صالح خلف الله	12:15 to 12:30	
	Developing a Parametric Framework for Urban Heat Island Mitigation: A Case Study at University Campus Laila Atef Taha Elsawaf, Prof. Walaa Salah Ismaeel, Prof. Marwa Adel Elsayed		المسارات التاريخية في مصر ودورها بين الماضي والحاضر في دعم التنمية المستدامة أسماء كامل حسن، ا. د. أحمد هلال محمد، ا. د. وائل حسين يوسف	12:30 to 12:45	
	A Hybrid Real-Time Robotics Collaboration Framework: An Innovative Pedagogical Model for Hands-On University Training Deena El-Mahdy, Omar Ain		التهيئة النفسية للأطفال داخل المستشفيات لخلق بيئة علاجية أكثر إنسانية آلاء على أبو الحسن محمود عبد الغفار، أد نادى مصطفى عبدالكريم عمرى، د. أمل محمد إبراهيم طه	12:45 to 01:00	
	Discussion		نحو مباني سكنية صفرية الطاقة بالمدن الجديدة بصعيد مصر حالة الدراسة (نموذج سكني بمدينة أسبوط الجديدة) آلاء نصر الدين قطب، خالد صلاح سعيد، لبنى عبداللطيف عبد المحسن، مصطفى محمد سيد	01:00 to 01:15	
Discussion		The Impact of Mall design patterns on User Congestion: A Space Syntax based Approach Abrar Mahmoud Abdo, Magdy Mohamed Radwan, Adham Mokhtar Mostafa	01:15 to 01:30		
Discussion		Discussion	01:30 to 02:00		
02:00 pm to 03:00 pm				Break	